SAI CHERISH POTLURI

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EDUCATION

Master of Science in Computer Science   **May 2023**

Arizona State University | Tempe, Arizona   *3.7/4 GPA*

Coursework: Foundations of Algorithms, **Software Quality Management**, Data Mining, Mobile Computing

Bachelor of Technology in Computer Science   **Jun 2020**

Gandhi Institute of Technology and Management | India   *8.3/10 GPA*

Coursework: **Object Oriented Design(Java)**, Distributed Database Systems, **Data Structures and Algorithms**

WORK EXPERIENCE

Trainee Decision Scientist| **Mu Sigma**| Bangalore, India   **Aug 2020 - Oct 2020**

- Coordinated with a team of **5** to clean, analyze, and visualize a large E-Commerce firm's dataset using **python** and **exploratory data analysis (EDA)**.
- Eradicated product disparate demands by establishing an effective inventory policy using **Machine Learning**.
- Doubled the efficiency by categorizing products based on demand, using **KNN clustering** algorithm, dividing the products into high-demand and low-demand clusters.
- Prepared visualization reports using **Tableau** to help customers better understand the data.

Intern Software Developer| **SmartBridge**| Hyderabad, India   **Apr 2019 - Jun 2019**

- Designed and developed a fully scalable web application using **MERN** stack for a mobility service provider, capable of handling records of over **2 million** on an average.
- Predicted trip fare amount accurately by proposing an algorithm using **XGBoost** data model.
- Achieved an accuracy of **80%** by training the model over a large dataset of **4 million** records.

TECHNICAL SKILLS

Languages: C/C++, **Java**, JavaScript, **Python**,Spark, **SQL**, HTML/CSS

Frameworks and Databases: Spring, **Node.js**, Django, Flask, **PostgreSQL**, MySQL, MongoDB

Others: Linux, **Git**, Windows, VS Code, **Agile Methodologies**, MS Excel, Tableau, REST API

PROJECTS

Knowledge Extraction from Context Sensors   **Jun 2022**

- Collaborated with a team of five in developing an android application to record videos and extract information using **knowledge recovery algorithm**.
- Increased efficiency upto **80%** by automating the process of capturing a video, uploading it to the **Node.js** server and extracting it frame by frame.
- Predicted the gestures accurately using the **Cosine similarity** on a database of **Deaf Tec** gesture videos producing high accuracy.

Web Application Development   **May 2022**

- Created a full stack web application using **React.js** and **Node.js** for forecasting weather information.
- Implemented **OpenWeatherAPI** to fetch weather data up to 7 days in advance.
- Incorporated **GeoDB API** enabling auto-search location feature, suggesting list of location as user types.

ACHIEVEMENTS

AWS Certified Cloud Practitioner   **Aug 2022**

- Explored cloud computing concepts, by working on cloud services provided by Amazon such as **S3**, **Lambda**, **EC2**, etc.
- Developed an understanding of Amazon's **cloud architecture**, its design principles and how cloud computing compares to on-premises.